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#13

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/648,569A

DATE: 09/23/2002

TIME: 14:32:31

Input Set : A:\0202us810-Seqlist-Sept2002.txt
Output Set: N:\CRF4\09232002\I648569A.raw

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3 <110> APPLICANT: Pedersen, A.H., et al.
         Maxygen ApS
 6 <120> TITLE OF INVENTION: Interferon-Beta Variants and Conjugates
 8 <130> FILE REFERENCE: 0202us810
10 <140> CURRENT APPLICATION NUMBER: US 09/648,569A
11 <141> CURRENT FILING DATE: 2000-08-25
13 <160> NUMBER OF SEQ ID NOS: 45
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18 <211> LENGTH: 840
19 <212> TYPE: DNA
20 <213> ORGANISM: Homo sapiens
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25 tecaetacag etettteeat gagetacaae ttgettggat teetacaaag aageageaat 180
26 tttcagtgtc agaagctcct gtggcaattg aatgggaggc ttgaatactg cctcaaggac 240
27 aggatgaact ttgacatccc tgaggagatt aagcagctgc agcagttcca gaaggaggac 300
28 gccgcattga ccatctatga gatgctccag aacatctttg ctattttcag acaagattca 360
29 totagcactg gctggaatga gactattgtt gagaacctcc tggctaatgt ctatcatcag 420
30 ataaaccatc tgaagacagt cctggaagaa aaactggaga aagaagattt caccagggga 480
31 aaactcatga gcagtctgca cctgaaaaga tattatggga ggattctgca ttacctgaag 540
32 gccaaggagt acagtcactg tgcctggacc atagtcagag tggaaatcct aaggaacttt 600
33 tacttcatta acagacttac aggttacctc cgaaactgaa gatctcctag cctgtgcctc 660
34 tgggactgga caattgcttc aagcattctt caaccagcag atgctgttta agtgactgat 720
35 ggctaatgta ctgcatatga aaggacacta gaagattttg aaatttttat taaattatga 780
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48 Cys Gln Lys Leu Leu Trp Gln Leu Asn Gly Arg Leu Glu Tyr Cys Leu
49
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                                    25
                                                        30
51 Lys Asp Arg Met Asn Phe Asp Ile Pro Glu Glu Ile Lys Gln Leu Gln
52
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54 Gln Phe Gln Lys Glu Asp Ala Ala Leu Thr Ile Tyr Glu Met Leu Gln
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57 Asn Ile Phe Ala Ile Phe Arg Gln Asp Ser Ser Ser Thr Gly Trp Asn
58
                        70
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60 Glu Thr Ile Val Glu Asn Leu Leu Ala Asn Val Tyr His Gln Ile Asn
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61 85 90 95 63 His Leu Lys Thr Val Leu Glu Glu Lys Leu Glu Lys Glu Asp Phe Thr 64 100 105 110 66 Arg Gly Lys Leu Met Ser Ser Leu His Leu Lys Arg Tyr Tyr Gly Arg 120 67 115 125 69 Ile Leu His Tyr Leu Lys Ala Lys Glu Tyr Ser His Cys Ala Trp Thr 130 135 70 140 72 Ile Val Arg Val Glu Ile Leu Arg Asn Phe Tyr Phe Ile Asn Arg Leu 73 145 150 155 160 75 Thr Gly Tyr Leu Arg Asn 76 165 80 <210> SEQ ID NO: 3 81 <211> LENGTH: 70 82 <212> TYPE: DNA 83 <213> ORGANISM: Artificial Sequence 85 <220> FEATURE: 86 <223> OTHER INFORMATION: Description of Artificial Sequence: primer 88 <400> SEQUENCE: 3 89 ggctagcgtt taaacttaag cttcgccacc atgaccaaca agtgcctgct ccagatcgcc 60 90 ctgctcctgt 70 93 <210> SEQ ID NO: 4 94 <211> LENGTH: 70 95 <212> TYPE: DNA 96 <213> ORGANISM: Artificial Sequence 98 <220> FEATURE: 99 <223> OTHER INFORMATION: Description of Artificial Sequence: primer 101 <400> SEQUENCE: 4 102 acaacctgct cggcttcctg cagaggagtt cgaacttcca gtgccagaag ctcctgtggc 60 103 agctgaacgg 70 106 <210> SEQ ID NO: 5 107 <211> LENGTH: 70 108 <212> TYPE: DNA 109 <213> ORGANISM: Artificial Sequence 111 <220> FEATURE: 112 <223> OTHER INFORMATION: Description of Artificial Sequence: primer 114 <400> SEQUENCE: 5 115 gaacttcgac atccccgagg aaatcaagca gctgcagcag ttccagaagg aggacgccgc 60 116 tctgaccatc 70 119 <210> SEQ ID NO: 6 120 <211> LENGTH: 70 121 <212> TYPE: DNA 122 <213> ORGANISM: Artificial Sequence 124 <220> FEATURE: 125 <223> OTHER INFORMATION: Description of Artificial Sequence: primer 127 <400> SEQUENCE: 6 128 ttccgccagg actccagctc caccggttgg aacgagacca tcgtggagaa cctgctggcc 60 129 aacgtgtacc 70 132 <210> SEQ ID NO: 7 133 <211> LENGTH: 70

DATE: 09/23/2002 RAW SEQUENCE LISTING PATENT APPLICATION: US/09/648,569A TIME: 14:32:31

Input Set : A:\0202us810-Seqlist-Sept2002.txt Output Set: N:\CRF4\09232002\1648569A.raw

- 134 <212> TYPE: DNA 137 <220> FEATURE:
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- 160 <212> TYPE: DNA
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- 166 <400> SEQUENCE: 9
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- 168 aagtagaagt

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- 171 <210> SEQ ID NO: 10
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- 184 <210> SEQ ID NO: 11
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- 198 <211> LENGTH: 70
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- 200 <213> ORGANISM: Artificial Sequence
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PATENT APPLICATION: US/09/648,569A TIME: 14:32:32

Input Set : A:\0202us810-Seqlist-Sept2002.txt
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RAW SEQUENCE LISTING DATE: 09/23/2002 PATENT APPLICATION: US/09/648,569A TIME: 14:32:32

Input Set : A:\0202us810-Seqlist-Sept2002.txt
Output Set: N:\CRF4\09232002\I648569A.raw

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VERIFICATION SUMMARY

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